

CLAIMS

What is claimed is:

1. A method for updating a retail planogram comprising the steps of
reading an electronic transmission from at least one RFID tag in a retail environment located in
proximity to a product, using a personal shopper device having a location sensing mechanism, a memory,
a software means, and an RFID reader, wherein an initial planogram is stored therein,

5 collecting said read electronic location information transmitted from said at least one RFID tag by
said shopper device,

analyzing and comparing said collected location information by said software means of said shopper
device, with said initial planogram in relation to initial location information of said product with collected
location information for said product from said collected information,

10 updating said initial location information for said product in said initial planogram in response to
collected location information to provide an updated planogram to display current location information for
said product in a current planogram arrangement in said retail environment.

2. The method of claim 1, wherein said device is fixedly mounted to a shopping cart.

15 3. The method of claim 1, wherein said RFID tag is an RFID shelf tag.

4. The method of claim 3 wherein said method further comprises the step of transmitting said analyzed
information to a retail server wherein a database map of product locations is generated in relation to their
20 respective RFID shelf tags.

5. The method of claim 4, wherein said read electronic information includes unique product identifiers and
unique location identifiers indicating unique information about products in said retail environment.

6. The method of claim 3, wherein said method is performed by a consumer.

7. The method of claim 3, wherein said method is performed by a retailer.

8. The method of claim 3, wherein all product labels in said retail environment are RFID shelf tags.

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9. The method of claim 3, further comprising the step of generating an updated planogram.

10. A system for updating a planogram comprising,

a portable shopper device having a location sensing means, a software means and an RFID reader,

10 a retail system comprising a database in communication with said shopper device,

an initial planogram stored in said database, and

one or more product RFID shelf labels positioned in a retail environment,

wherein said RFID reader is capable of reading an electronic transmission from at least said one or more

RFID shelf labels using said personal shopper device and transmitting collected read electronic information

15 to said database, wherein said initial planogram is updated in response to collected read electronic

information by said software means and said database is updated with a current planogram reflecting said

collected read electronic information.

11. The system of claim 10, wherein said software means is software that compares initial product location

20 information with collected product location information and identifies differences therebetween.

12. The system of claim 11, wherein said location sensing means reads coordinates from known location

points within said retail environment to determine a coordinate location point of said shopper device at an

instant of time.

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13. The system of claim 11, wherein said shopper device is a hand-held device having a display in wireless

communication with said retail system.

14. The system of claim 11, wherein said RFID shelf label further comprise visible product information including per unit price.

15. The system of claim 11, wherein said RFID label transmits electronic information including unique product identifiers and unique location identifiers indicating unique information to said RFID reader.

16. The system of claim 11, wherein all product labels in said retail environment are RFID shelf tags.

17. The system of claim 11, further comprising a display for displaying an updated planogram.

18. The system of claim 11, further comprising a printer for printing an updated planogram.

19. A system for generating an updated planogram in a retail environment comprising,
a portable shopper device having a location sensor, comparative software and an RFID reader,
a retail system comprising a server, a database in communication with said shopper device,
a wireless communication network,
an initial planogram stored in said database, and
a plurality of product RFID shelf labels positioned in proximity to each of their respective products,
wherein said RFID reader reads product location information electronically transmitted from at least one
of said plurality of product RFID shelf labels using said personal shopper device and said comparative
software compares initial product location information of said initial planogram with said read product
location information and updates said initial planogram in response to said read product location information
and said database is updated with a current planogram in relation to said read product location information.

20. The system of claim 19, wherein said database stores said initial planogram and said current planogram concurrently. instant of time..